

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/003979

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl.⁷ H01S5/024, H01L23/473

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ H01S5/024, H01L23/473

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 57-141986 A (Fujitsu Ltd.), 02 September, 1982 (02.09.82), Full text; all drawings (Family: none)	1-6
A	JP 9-194204 A (Matsushita Electric Industrial Co., Ltd.), 29 July, 1997 (29.07.97), Par. Nos. [0032] to [0035]; Fig. 11 (Family: none)	1-6
A	JP 2003-8273 A (Fanuc Ltd.), 10 January, 2003 (10.01.03), Par. Nos. [0002] to [0027], [0122] to [0143]; Figs. 1 to 7 & US 2002/0195238 A1 & EP 1271723 A2	1-6

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

- A- document defining the general state of the art which is not considered to be of particular relevance
- E- earlier application or patent but published on or after the international filing date
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- O- document referring to an oral disclosure, use, exhibition or other means
- P- document published prior to the international filing date but later than the priority date claimed

- T- later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- X- document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- Y- document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- &- document member of the same patent family

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 10-209531 A (Fujitsu Ltd.), 07 August, 1998 (07.08.98), Par. Nos. [0001] to [0007], [0027] to [0039]; Figs. 1 to 2, 37 to 39 & US 6097744 A & DE 19750879 A	1-6
A	WO 00/11717 A (Hamamatsu Photonics Kabushiki Kaisha), 02 March, 2000 (02.03.00), Full text; all drawings & EP 1113496 A & US 2001/0004312 A1	1-6